

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 to 24 (canceled)

Claim 25 (new): A recombinant botulinum toxin comprising a soluble C-terminal portion of a botulinum toxin heavy chain, an N-terminal portion of a botulinum toxin heavy chain and a botulinum toxin light chain 25 wherein the C-terminal portion comprises SEQ ID NO: 23 and the N-terminal portion and the light chain each comprise a portion of SEQ ID NO: 28.

Claim 26 (new): The recombinant toxin of claim 25 further comprising a non-toxin protein sequence.

Claim 27 (new): The recombinant toxin of claim 25 wherein the toxin is in a solution.

Claim 28 (new): The recombinant botulinum toxin of claim 25 wherein the light chain is solubilized.

Claim 29 (new): The recombinant toxin of claim 25 wherein the C-terminal portion and the N-terminal portion are bonded together.

Claim 30 (new): The recombinant toxin of claim 29 wherein the bond is a covalent bond.

Claim 31 (new): The recombinant toxin of claim 25 wherein the light chain is bonded to the C-terminal portion or the N-terminal portion.

Claim 32 (new): A recombinant botulinum toxin comprising a soluble C-terminal portion of a botulinum toxin type A heavy chain, an N-terminal portion of a botulinum toxin type A heavy chain and a botulinum toxin type A light chain wherein the C-terminal portion comprises SEQ ID NO: 23 and the N-terminal portion and the light chain each comprise a portion of SEQ ID NO: 28.

Claim 33 (new): The recombinant toxin of claim 32 further comprising a non-toxin protein sequence.

Claim 34 (new): The recombinant toxin of claim 32 wherein the toxin is in a solution.

Claim 35 (new): The recombinant botulinum toxin of claim 32 wherein the light chain is solubilized.

Claim 36 (new): The recombinant toxin of claim 32 wherein the C-terminal portion and the N-terminal portion are bonded together.

Claim 37 (new): The recombinant toxin of claim 36 wherein the bond is a covalent bond.

Claim 38 (new): The recombinant toxin of claim 32 wherein the light chain is bonded to the C-terminal portion or the N-terminal portion.